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PTO/SB/05 (11-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. PP-17149.001 / 201130.40901

First Inventor Nobuyuki Itoh

Title HUMAN FGF-23 GENE AND  
GENE EXPRESSION PRODUCTS

Express Mail Label No. EL615487095US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 57]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C.113) [Total Sheets 19]

5. Oath or Declaration [Total Pages 2]  
a.  Unsigned  
b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a.  Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies); or  
ii.  paper  
c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of  
(when there is an assignee) Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.

17.  Other: Check

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76: Continuation  Divisional  Continuation-in-part (CIP)of prior application No: \_\_\_\_ / \_\_\_\_  
Group Art Unit: \_\_\_\_Prior application information: Examiner \_\_\_\_\_  
Claims priority from Provisional Application Nos. 60/187,854 filed March 8, 2000; 60/233,368 filed  
September 18, 2000; and 60/251,650 filed December 5, 2000

## 19. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Label

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PATENT TRADEMARK OFFICE

or  Correspondence address below

Name				Telephone	
Address				Fax	
City	State	Zip Code			
Country					

Name (Print/Type)	Jane E. R. Potter	Registration No. (Attorney/Agent)	33,332
Signature			Date
			March 7, 2001

Document7[11-30-00]

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 2,790.00)

Complete if Known	
Application Number	Not assigned yet
Filing Date	March 7, 2001
First Named Inventor	Nobuyuki Itoh
Examiner Name	Not assigned yet
Group Art Unit	Not assigned yet
Attorney Docket No.	PP-17150.001 / 201130.409015

METHOD OF PAYMENT		FEE CALCULATION (continued)	
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:			
Deposit Account Number	19-1090		
Deposit Account Name	Seed Intellectual Property Law Group PLLC		
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			
2. <input checked="" type="checkbox"/> Payment Enclosed:			
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other			

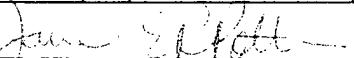
FEE CALCULATION				
1. BASIC FILING FEE				
Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
101	710	201	355	Utility filing fee
106	320	206	160	Design filing fee
107	490	207	245	Plant filing fee
108	710	208	355	Reissue filing fee
114	150	214	75	Provisional filing fee
SUBTOTAL (1)				(\$ 710)

2. EXTRA CLAIM FEES				
		Extra Claims	Fee from below	Fee Paid
Total Claims	60	** = 40	x 18	= 720
Independent Claims	20	** = 17	x 80	= 1360
Multiple Dependent			x	=

Large Entity					Small Entity	
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description		
103	18	203	9	Claims in excess of 20		
102	80	202	40	Independent claims in excess of 3		
104	270	204	135	Multiple dependent claim, if not paid		
109	80	209	40	** Reissue independent claims over original patent		
110	18	210	9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)				(\$ 2080)		

\*\*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES	
Large Entity	Small Entity
Fee Code	Fee (\$)
105	130
127	50
139	130
147	2,520
112	920*
113	1,840*
115	110
116	390
117	890
118	1,390
128	1,890
119	310
120	310
121	270
138	1,510
140	110
141	1,240
142	1,240
143	440
144	600
122	130
123	130
126	180
581	40
146	710
149	710
179	710
169	900
Other fee (specify) _____	
*Reduced by Basic Filing Fee Paid	
SUBTOTAL (3) (\$ 0)	

SUBMITTED BY			
Name (Print/Type)	Jane E. R. Potter	Registration No. Attorney/Agent)	33,332
Firm Name/Address	Seed Intellectual Property Law Group PLLC 701 Fifth Avenue, Suite 6300 Seattle, Washington 98104-7092 Phone: (206) 622-4900 Fax: (206) 682-6031		
Signature		Date	March 7, 2001



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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Nobuyuki Itoh, Kyoto, Japan and  
W. Michael Kavanaugh, Mill Valley, California

Filed : March 7, 2001

For : HUMAN FGF-23 GENE AND GENE EXPRESSION PRODUCTS

JC979 U.S. PRO  
09/801968  
03/07/01



Docket No. : PP-17150.001 / 201130.40901

Date : March 7, 2001

Box Patent Application  
Commissioner for Patents  
Washington, DC 20231

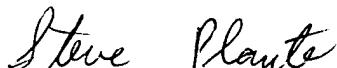
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Commissioner for Patents:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL615487095US, on March 7, 2001, addressed to Box Patent Application, Commissioner for Patents, Washington, DC 20231.

Respectfully submitted,

Seed Intellectual Property Law Group PLLC

  
Steve Plante  
Steve Plante



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JEP:cew

U: CarolW\201130\40901\Application